

Abstract of the Disclosure

A head-mounted display (HMD) is provided. The HMD includes: an image-forming unit that produces and emits an image; a half mirror disposed obliquely with respect to the image-forming unit for transmitting some part of the image entering from the image-forming unit and transmitting the remaining part; a pinhole located at a focal point of the image reflected from the half mirror for transmitting the incident image and focusing the transmitted image onto a dark space within the housing; a collimating lens disposed opposite the pinhole with respect to the half mirror for converging the incident divergent image and producing parallel light; a prism unit disposed opposite the collimating lens for guiding the path of the incident image; and a Fresnel lens disposed opposite a part of the prism unit for focusing the incident image onto an eyeball. A user wearing the HMD can view the image formed in the housing through the pinhole.